REMARKS

Applicants respectfully request that the following drawing amendment be approved. Applicants assert that no new matter has been introduced into the application by insertion of these corrected drawings. Justification for inclusion of these corrected drawings may be found in the original informal drawings submitted with the application on February 5, 2002, as well as the drawings submitted on July 2, 2002. Thus, these figures are not new matter. Unmarked copies of the original submissions and marked copies of the drawings submitted on July 2, 2002 for Fig. 2 and Fig. 28 are enclosed for the convenience of the Examiner.

In the corrected Fig. 2, a terminal "N" nucleotide residue has been added to the cleaved target RNA released following trans ligation in the bottom panel. On an accompanying marked copy, this residue is circled in the three panels to illustrate that the addition of this residue to the third panel clearly serves to conserve this residue already present in the other two panels. The lines above and below adjacent nucleotide sequences act as a guide to follow the progression of intermediate cleavage and ligation steps in the process illustrated in the three panels.

Regarding the corrections to Fig. 28, the marked copy shows the nucleotides changed, as well as added labels for corresponding loop and helix secondary structures which were present in the original informal drawing. These labels occupy the same relative positions as those clearly shown in the analogous structure in Fig. 1. Since the original informal drawing is small and difficult to read, an expanded view is attached, with uridine (U) residues and any other residues changed from the drawings submitted on July 2, 2002, marked in red. A portion of those "U" residues which have been changed occur in helix regions with base-pairing. That these are indeed intended to be "U" residues is evidenced by their positions opposite a base-paired "A" residue. The remainder of those "U" residues which have been changed can be seen to consistently resemble the symbols for "U" in those regions which are base-paired. In the case of the change from an "a" residue to a "c" residue in the "guc" region of the auto-catalytic sequence, this portion of the sequence can be seen in the analogous regions from Fig. 1 and Fig 2, where the "C" residue is clearly evident.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 415-576-0200.

Respectfully submitted,

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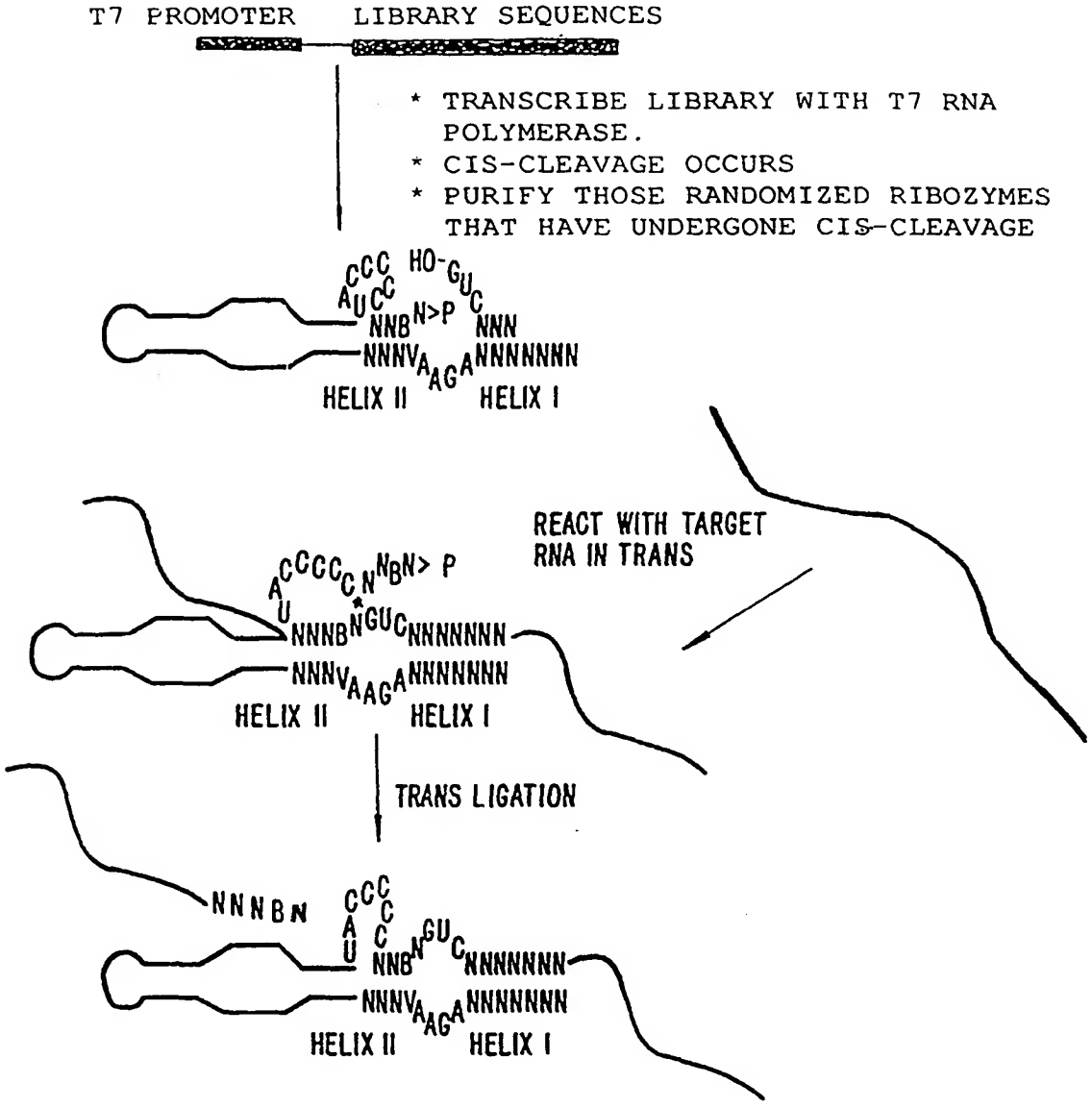
2/24



* TRANS-LIGATED PRODUCTS ARE ISOLATED AND AMPLIFIED BY RT-PCR.
* TRANS-LIGATED RIBOZYMES CAN THEN BE FURTHER AMPLIFIED AND SUBCLONED INTO AAV VECTORS FOR PRODUCTION OF A TARGET SPECIFIC RIBOZYME GENE VECTOR LIBRARY.

FIG. 2.

2/24

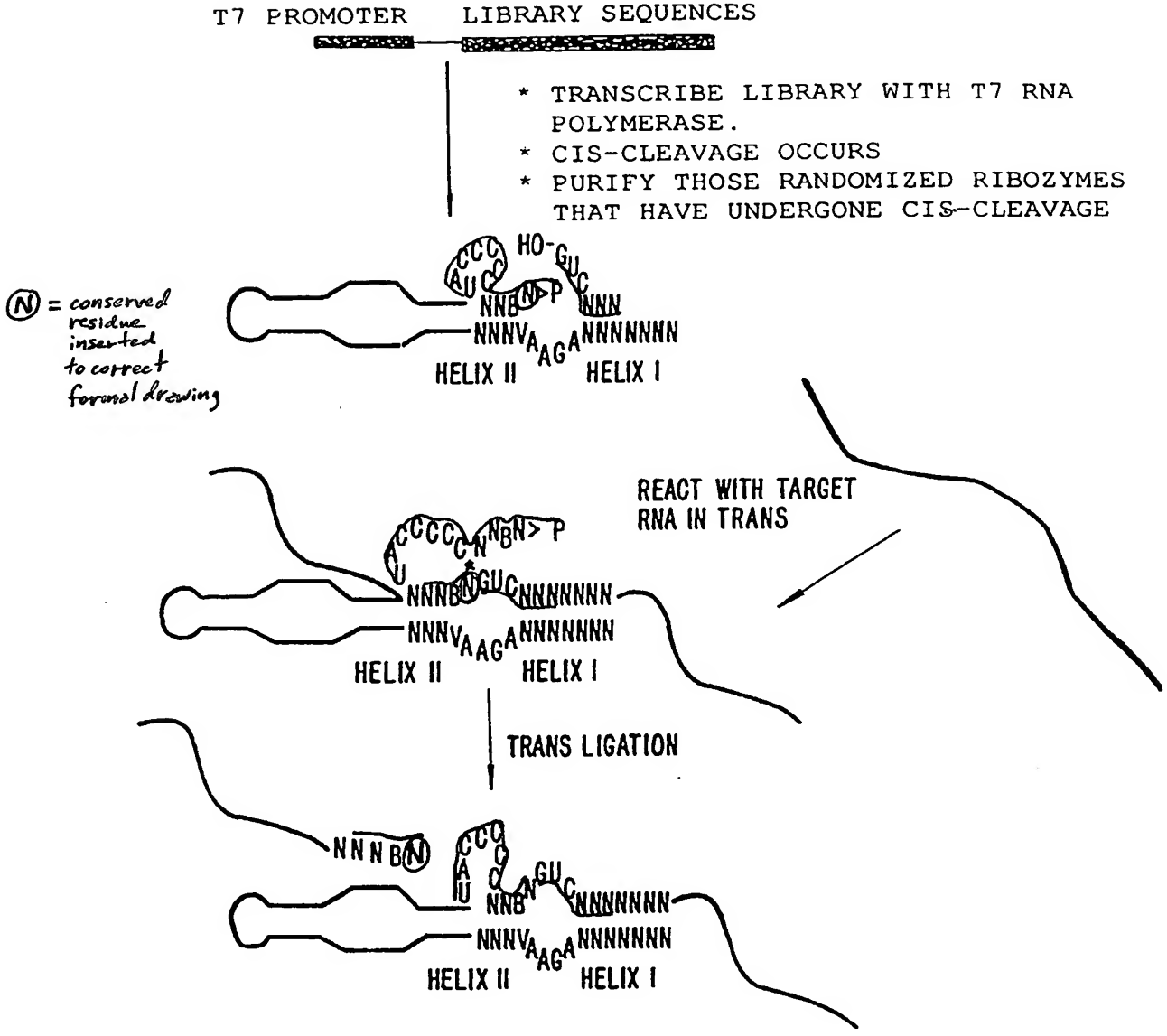


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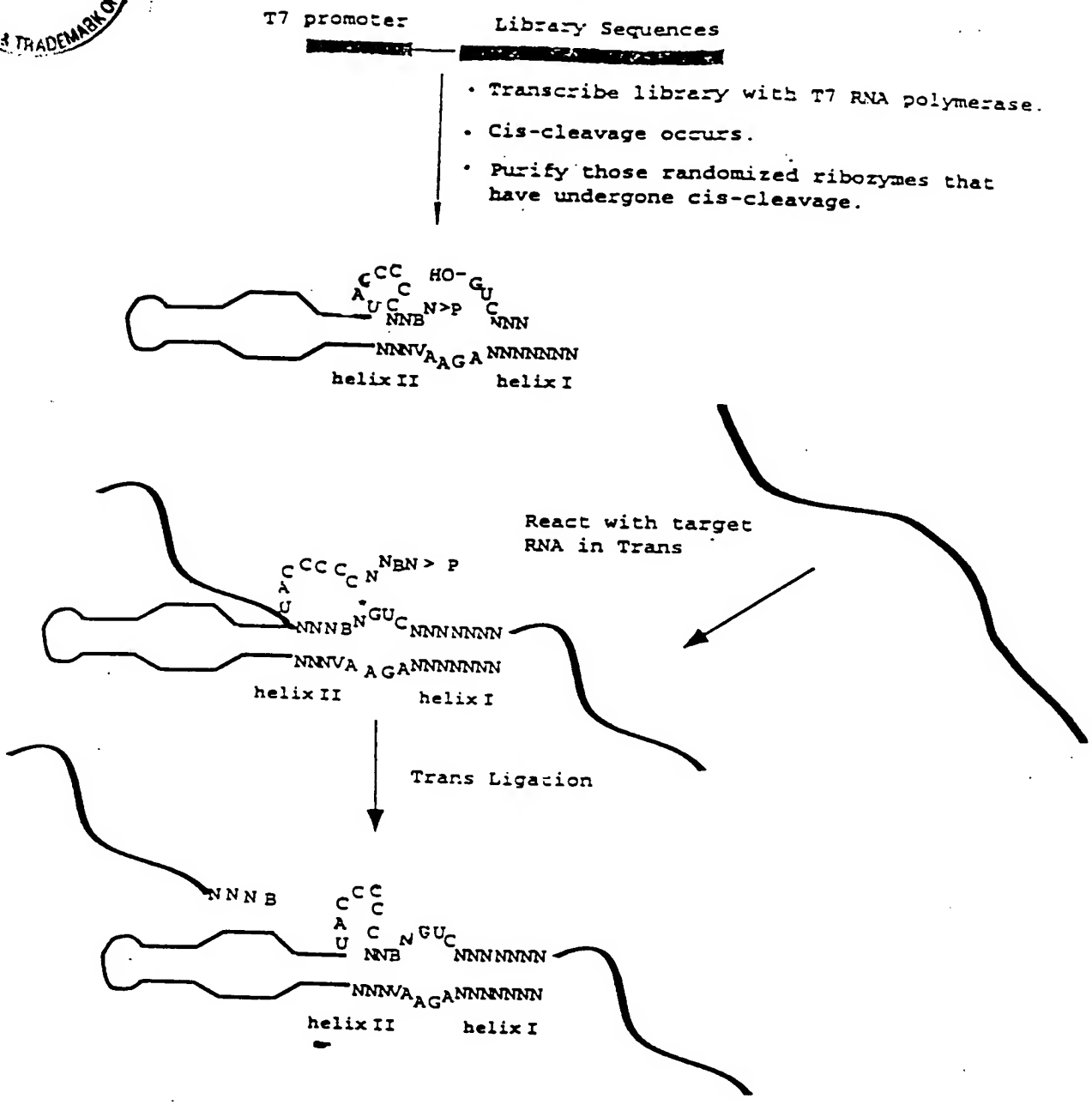
FIG. 2.

Trans Cleavage and Ligation



- Transcribe library with T7 RNA polymerase.
- Cis-cleavage occurs.
- Purify those randomized ribozymes that have undergone cis-cleavage.

- Trans-ligated products are isolated and amplified by RT-PCR.
- Trans-ligated riborymes can then be further amplified and subcloned into AAV vectors for production of a target specific ribozyme gene vector library.

Fig. 2

ANNOTATED SHEET
SHOWING CHANGES

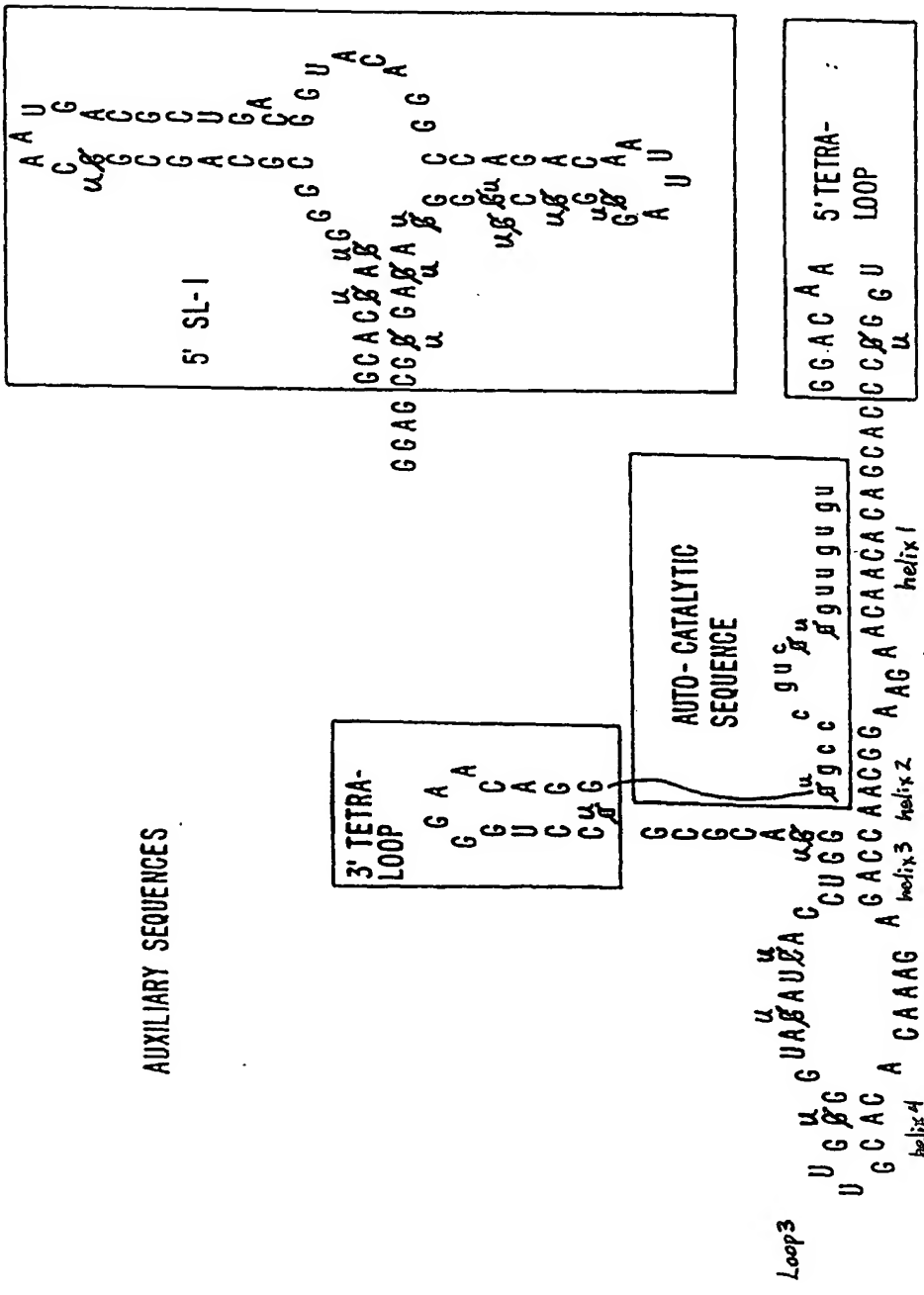
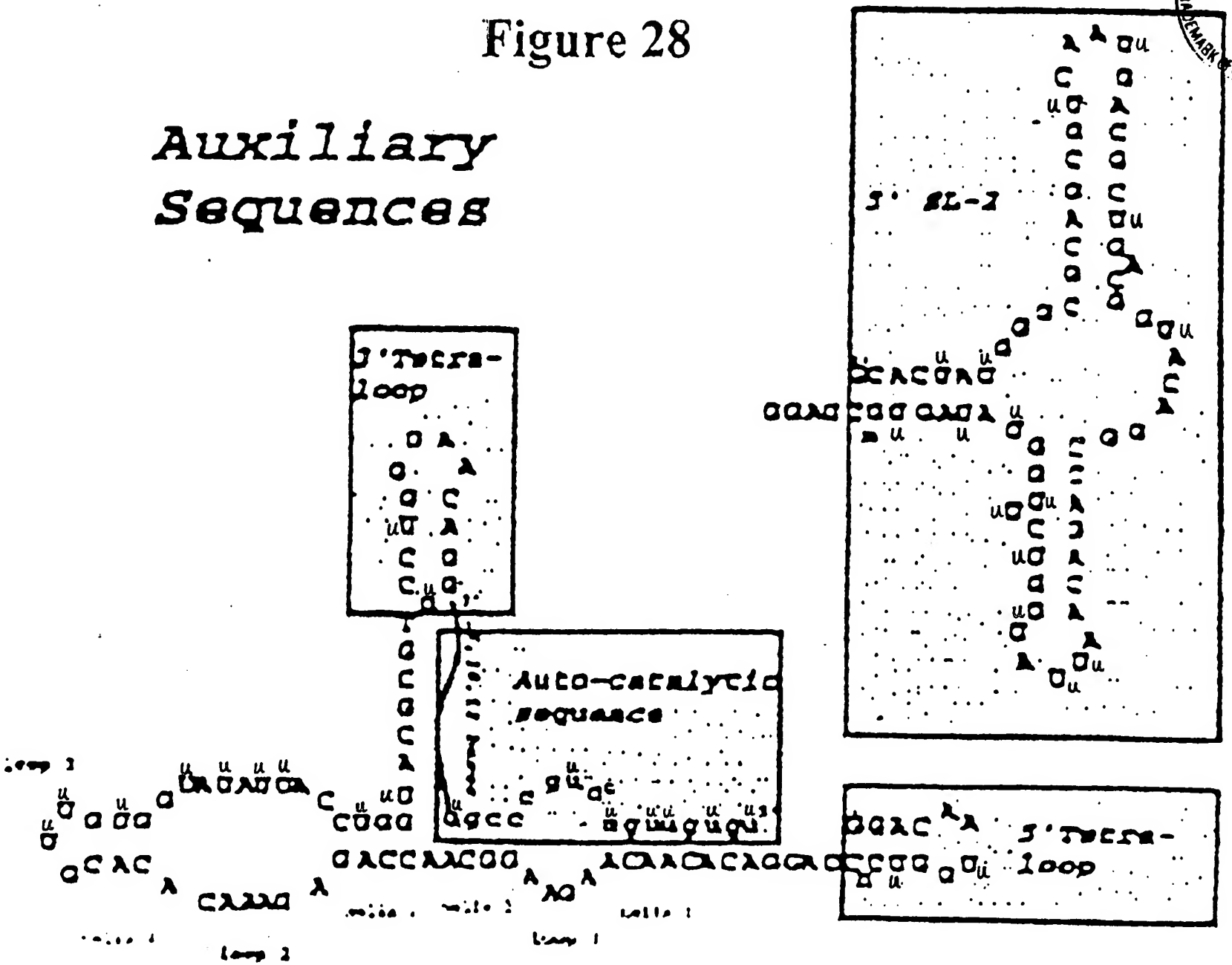


FIG. 28.

Figure 28



ANNOTATED SHEET SHOWING CHANGES

Figure 28